PATENT ABSTRACTS OF JAPAN
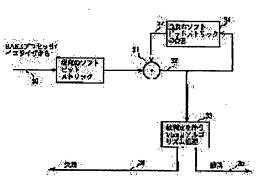
(54) RETRANSMISSION PACKET CAPTURE SYSTEM UNDER RADIO MULTIPLE SERVICE COMMUNICATION ENVIRONMENT USING TURBO DECODING

(57)Abstract:

PROBLEM TO BE SOLVED: To reduce unnecessary traffic by connecting plural metrics transmitted in a 1st transmission by using RAKE processing, transmitting an ARQ signal to a transmitter if it is decided that signal reception failed, retransmitting the signal and acquiring a success transmission when it is received and is subjected to RAKE processing.

SOLUTION: A signal that becomes respective outputs of signals which are subjected to RAKE processing is supplied as an input 30 and is sent to an adder 31. An accumulative output 32 by the adder 31 is sent to a memory 34 that stores the output 32 and to a processor 33 which processes and analyzes the output 32 with a Viterbi algorithm. When the processor 33 decides that a processed transmission signal TX is appropriately received, it sends signal representation of the transmission signal as an output 35 to be further processed by a receiver. On the other hand, when the processor 33 decides that the output 32 does not have enough power, it sends an ARQ signal.